



HP V5061u / V5061Au

Digital Camcorder

User Manual

Contents

Preface.....	5
About this Manual.....	5
Copyright.....	5
Declaration of Conformity.....	6
Trademark Recognition.....	6
Safety and Handling Precautions.....	6
Camcorder & Battery Recycle Notice.....	8
Photography Terms and Definitions	9
1 Introduction	11
1.1 Accessories.....	11
1.2 Exterior Views	12
1.3 Adjusting LCD Display.....	13
2 Getting Started	14
2.1 Inserting SD Card.....	14
2.2 Charging the Battery.....	15
2.3 Loading the Battery	16
2.4 Using the Touch Screen	18
2.4.1 Single Touch	18
2.4.2 Slide.....	18
2.4.3 Rotate.....	19
2.5 Buttons & Functions.....	20
2.6 About LED Indicators	22
2.7 Initial Settings Before Use.....	22
2.7.1 Setting Date and Time	22

3	LCD Display Information.....	24
3.1	Video Mode.....	24
3.2	Photo Mode.....	26
3.3	Audio Mode.....	28
4	Using the Camcorder	29
4.1	Video Recording.....	29
4.2	Shooting / Playback Photos.....	32
4.2.1	Taking a Picture.....	32
4.2.2	Photo Playback.....	33
4.3	Audio Recording	35
4.4	Video / Audio Clip Playback	36
5	LCD Display Information.....	39
5.1	Video Playback Mode.....	39
5.2	Photo Playback Mode	41
5.3	Audio Playback Mode	42
6	Menu Options	44
6.1	Menu Options in Video Mode	44
6.1.1	Video Resolution.....	44
6.1.2	White Balance	45
6.1.3	Apply Artistic Effects	46
6.1.4	Metering.....	47
6.1.5	Backlight.....	49
6.1.6	Night Mode	49
6.1.7	Motion Detection.....	50
6.1.8	Burst.....	51
6.1.9	EV Compensation.....	51

6.2	Menu Options in Video Playback Mode.....	53
6.2.1	Delete	53
6.2.2	Protect	54
6.2.3	Date Ranking.....	56
6.3	Menu Options in Photo Mode.....	57
6.3.1	Photo Resolution	57
6.3.2	White Balance	58
6.3.3	Apply Artistic Effects	59
6.3.4	Metering.....	60
6.3.5	Backlight.....	60
6.3.6	Night Mode	62
6.3.7	Self-Timer	62
6.3.8	Burst	64
6.3.9	EV compensation	65
6.4	Menu Options in Photo Playback Mode	66
6.4.1	Delete	66
6.4.2	Protect	68
6.4.3	Date Ranking.....	69
6.4.4	Autoplay.....	70
6.4.5	Rotate	71
6.4.6	DPOF.....	72
6.5	Setup Menu.....	73
6.5.1	Information.....	73
6.5.2	Date & Time.....	74
6.5.3	Sound	74
6.5.4	Default	75
6.5.5	TV standard	76
6.5.6	Auto Power Off	77
6.5.7	Frequency.....	78

6.5.8	Language.....	79
6.5.9	Format	80
6.5.10	File Numbering	81
6.5.11	LCD Brightness	82
6.5.12	Instant Review	83
6.5.13	Memory.....	84
6.5.14	Start-up LOGO.....	85
7	PC and TV Connection.....	86
7.1	Connecting to the Computer.....	86
7.2	Connecting to a Standard TV	87
7.3	Connecting to a HD TV	88
8	Installing the Software	89
9	Editing Software	90
10	Appendix.....	91
	Troubleshooting.....	91
11	Getting Help.....	93

Preface

About this Manual

This manual is designed to assist you in using your new digital camcorder. All information presented is as accurate as possible but is subject to change without notice.

For the latest revision, please visit www.hp.com/support.

Copyright

This manual contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by any mechanical, electronic or other means, in any form, without prior written permission of the manufacturer. © Copyright 2010

Federal Communications Commission (FCC) Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: A shielded type power cord is required in order to meet FCC emission limits and to prevent interference to radio and television reception. Use only shielded cable to connect I/O devices to this equipment. Any changes or modifications not expressly approved by the manufacturer may void your warranty and service agreement.

Declaration of Conformity

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Trademark Recognition

Windows 2000/XP/Vista/7 are registered trademarks of Microsoft Corporation in the United States and/or other countries. Macintosh and Mac OS are registered trademarks of Apple Inc. In addition, all other companies or product names are trademarks or registered trademarks of their respective companies.

Safety and Handling Precautions

General precautions

- Do not try to disassemble the product by yourself. This may damage the product or cause electric shock.
- Keep the Digital Camcorder away from the reach of children or animals to prevent them from swallowing the batteries or small accessories.
- Stop using the Digital Camcorder if any kind of liquid or foreign object enters the Digital Camcorder. Should this occur, power off the Digital Camcorder and contact your dealer for help.
- Do not operate the Digital Camcorder with wet hands, as this may cause electric shock.
- The Digital Camcorder may be damaged in high temperature. This Digital Camcorder is designed for use in temperatures between 0°C and 40°C (32°F and 104°F).

- Do not use or store the product in dusty, dirty, or sandy areas or any area that is close to an air conditioner or heater.
- It is normal that the temperature of the Digital Camcorder body rises if the Digital Camcorder is on for a long period of time.
- Do not open the battery cover while the Digital Camcorder is recording. Doing so will not only make storage of the current image impossible, it can also corrupt other image data already stored.
- Before using this Digital Camcorder for important occasions, be sure to test this Digital Camcorder in order to ensure proper operation of the product.

Power Supply

- Be sure to use the type of battery or battery charger provided with this Digital Camcorder. Using any other type of battery or battery charger might damage the equipment and may void any warranty.
- Make sure the battery pack or batteries are placed in the correct position. Error in the orientation of battery might damage this product.
- Please remove the battery to avoid leaking of battery fluid if the Digital Camcorder is not to be used for a long period of time.
- This Digital Camcorder can use the NP-40 lithium-ion (provided in the product packaging) or 2 Photo Lithium AA batteries or Alkaline. **DO NOT** use NiMH AA batteries.

Battery Information

- If battery is already installed, make sure to power off the Digital Camcorder before removing and inserting new battery.
- When using a battery in this product, ensure that it is inserted correctly. Inserting the battery upside down can cause damage to the product and possibly cause an explosion.

Battery Safety Notice

If the battery pack is mishandled, the battery pack can burst, cause a fire or chemical burns. Observe the following cautions.

- Do not disassemble.
- Do not crush or expose the battery to any shock or excessive force such as hammering or dropping.
- Do not short circuit and do not allow metal objects to come into contact with the battery terminals.
- Do not expose to direct sunlight or to temperatures above 45°C (113°F).
- Do not incinerate or dispose of in a fire.
- Do not handle damaged or leaking lithium ion batteries.
- Be sure to charge the battery pack using the appropriate device for this battery pack.
- Keep the battery pack out of the reach of small children.
- Replace the battery with the specified type only.

Lithium-ion Battery Warning

Caution: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Camcorder & Battery Recycle Notice



In the European Union, do not discard this product and battery as unsorted municipal waste. Contact local authorities for recycling program information.

Photography Terms and Definitions

Terms	Definitions
Auto Focus (AF)	Auto focus refers to a camcorder lens' ability to adjust its configuration in order to focus properly on a subject regardless of whether it is near or far from the camcorder. Auto focus lenses generally provide vastly superior image quality than do their fixed focus cousins since they do not have to rely on their depth of field. Also known as: "AF", "auto-focus".
White Balance	The adjustment of electronic still picture color channel gains or image processing so that radiation with relative spectral power distribution equal to that of the scene illumination source is rendered as a visual neutral.
Auto White Balance (AWB)	With auto white balance, the camcorder attempts to determine the color temperature of the light and automatically adjust for that color temperature. Many people just leave the camcorder set to auto white balance all the time.
Digital Print Order Format (DPOF)	A standardized ASCII file created in a digital camcorder and stored on removable media along with the image files that indicate how many copies of which images should be printed. It also allows index prints, cropping, and text overlays to be specified.
Exif/JPEG	A compressed file format for digital camcorder in which the images are compressed using the baseline JPEG standard, described in ISO 12234-2, and metadata and thumbnail images are stored using TIFF tags within an application segment at the beginning of the JPEG file.
JPEG	Joint Photographic Experts Group. An image compression method defined in ISO/IEC 10918-1.

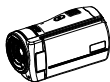
Terms	Definitions
Exposure Value	A numerical value that is inversely proportional to the exposure provided to an image sensor to obtain an image. Images obtained from a camcorder using a range of exposure index values will normally provide a range of image quality levels.
ISO Speed	A numerical value calculated from the exposure provided at the focal plane of an electronic c camcorder to produce specified camcorder output signal characteristics using the methods described in the referenced standard. The ISO speed should correlate with the highest exposure index value that provides peak image quality for normal scenes.
USB	Universal serial bus, a digital interface for connecting up to 64 devices in a tiered-star topology. See http://www.usb.org .

1 Introduction

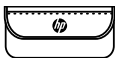
1.1 Accessories

This package should contain the following items.

1 Digital Camcorder



2 Pouch



3 Quick guide



4 Warranty card



5 User Manual and Software installation



6 Lens Cap



7 Lithium battery



8 Battery charger



9 HDMI cable



a AV cable



b USB cable



c Power cord



d Cleaning cloth

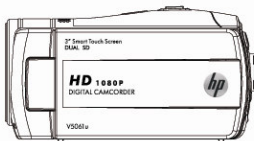


1.2 Exterior Views

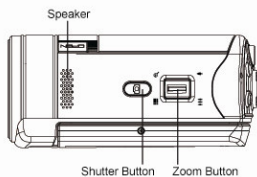
Front View



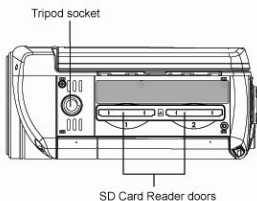
Right View



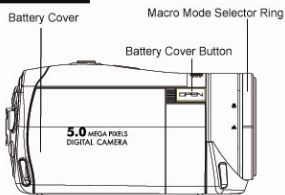
Top View



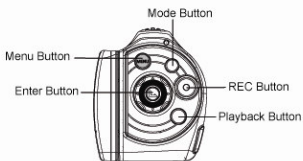
Bottom View



Left View

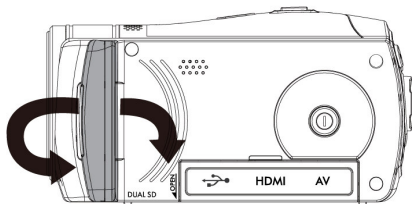
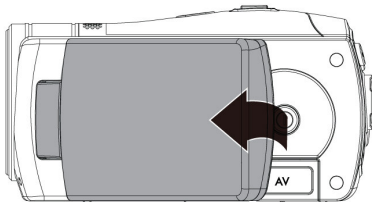


Rear View



1.3 Adjusting LCD Display

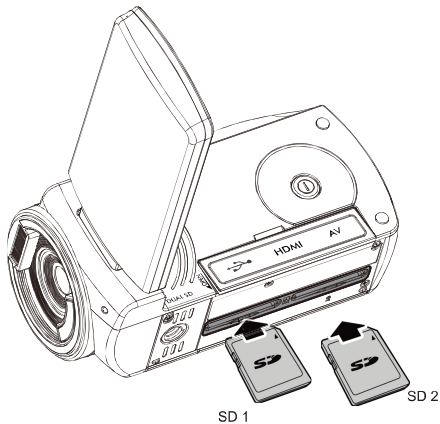
To begin capturing photos and videos, open the LCD display panel as illustrated below.



2 Getting Started

2.1 Inserting SD Card

1. Open the Insert an SD card and make sure facing the touching face downward.

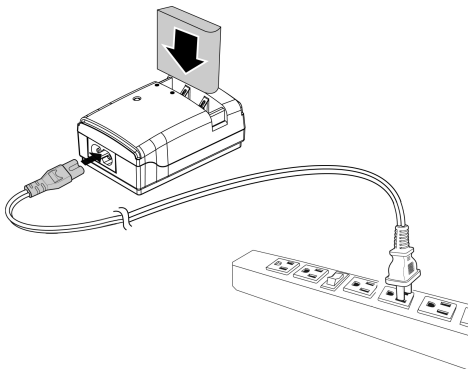


Note:

Please be careful to insert the SD card(s) as illustrated above so that damage to the SD card(s) and camcorder does not occur. To avoid damaging photos and video files, do not remove or insert the SD card while the camcorder is powered on.

2.2 Charging the Battery

It is recommended that the NP-40 Lithium Battery be fully charged before use. First, connect the external battery charger to the AC power source (wall outlet or power strip). Next, plug the battery into the external charger as illustrated below. The battery may take up to 2 1/2 hours to charge. When the light on the charger turns green, remove the battery and use when ready.



Note:

Do not leave the battery in the charger for extended periods of time after it has been fully charged.

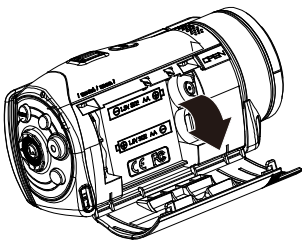
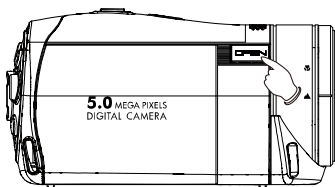
2.3 Loading the Battery

Please use only the battery provided or recommended by the manufacturer or dealer.

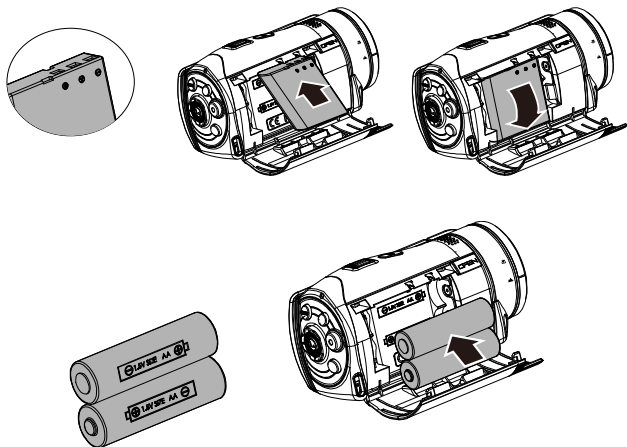
Note:

Incorrectly inserting the batteries could result in non-repairable damage.

1. Open battery cover.

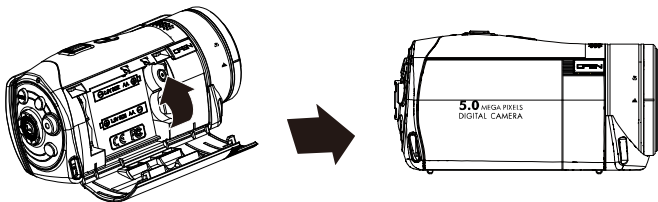


2. Insert the battery according to the illustration. The electrode is inside of the camcorder.



* **DO NOT** use NiMH AA batteries.

3. Close the battery cover.







2.4 Using the Touch Screen

2.4.1 Single Touch

Single touch to activate hotkeys on LCD screen.

Example, in Video/ Still Mode:

1. Touch the  icon to enter the Setup menu.
2. Touch the  icon to zoom in and touch the  icon to zoom out.
3. Touch the  icon to set the camcorder in playback mode.



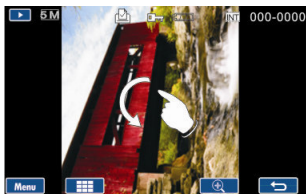
2.4.2 Slide

While in Playback mode, touch and slide right or left to view the previous or next Video/Photo.








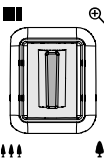




2.4.3 Rotate

While in Playback mode, touch the photo and slide in a half circle motion (as illustrated below) to rotate 90 with each motion.



2.5 Buttons & Functions

Description	Button	Function
Power button		Press the power button to turn the Digital Camcorder ON/OFF. Opening and closing the LCD panel will also power ON/OFF as well.
Menu button		Press the button to display the main menu.
MODE button		There are three operating modes for the Digital Camcorder: Video mode, Photo mode, and Audio mode. Press the Mode switch to cycle through the different modes.
SET button		Confirmation for various setting of functions
4-Way Direction button		Press the 4-Way Direction Button UP to change the flash options: off, auto, fill-in in Photo mode Press DOWN to delete a photo or video in Playback mode. You can pull in the focusing distance to 10 cm. (Normal focus range: 0.8M ~ infinity) Press RIGHT and LEFT to make adjustments to the Exposure Value (EV) compensation.

Description	Button	Function
Zoom toggle		<p>This Digital Camcorder has 4X Digital zoom (in Video mode of HD1080p resolution only has 2X digital zoom).</p> <p>Move the Zoom toggle to the right (▲) to zoom in, or move to the left (▲▲▲) to zoom out.</p>
Shutter button		<p>Press the button to capture a photo.</p>
Recording button		<p>Press the button to record a video in Video mode and activate audio recording in Audio mode.</p>
Playback button		<p>Press the Playback button to enter Playback mode and playback the last file recorded.</p>
Macro mode selector		<p>The Macro function is used to capture Photos and Videos at very close distances. Rotate the lens ring to select Macro mode (🌸) to focus on objects about 20 cm (8 inches) from the camcorder. The icon "🌸" will be displayed on the LCD screen when the Macro mode is selected. Normal mode (▲) is used to focus on objects more than 1.2 m (4 feet) away.</p>

2.6 About LED Indicators

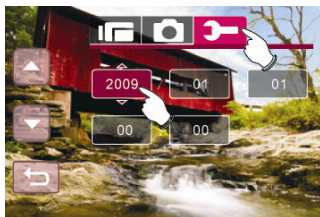
The table below describes the different modes of the camcorder LED indicator and Self-timer indicator.

Indicator		Indicator Color	Definition
LED Indicator	Power	Green	The power is on
		Red blinking	The flash is charging
	Recording	Red blinking	Recording
Self-timer Indicator	Self-timer	Red blinking	Start of Self-timer

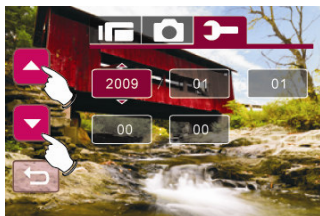
2.7 Initial Settings Before Use

2.7.1 Setting Date and Time

1. The initial power up of this camcorder should display the Date and Time setup menu as shown below.



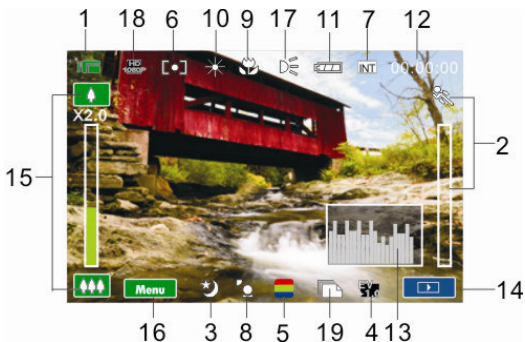
2. Touch the desired field on the LCD panel or press LEFT/RIGHT on the 4-Way Direction button to navigate through the date and time field.
3. Touch the up/down icons on the LCD panel or press the 4-Way Direction Button Up/Down to adjust the value. Press the Set (⌂) button or touch the Return icon (↩) to store the value you have changed.


















3 LCD Display Information

3.1 Video Mode

The following table describes all the icons that are displayed when the Digital Camcorder is in Video mode (📹).



1		Video mode
2		Motion Detection mode
3		Night mode indicator
4		Exposure Compensation indicator
5		Artistic Effect indicator
6		Metering mode












7		Memory Status indicator  : SD card 1 indicator  : SD card 2 indicator  : Internal memory indicator (displayed when there is no SD card in camcorder)
8		Backlight indicator
9		Macro Focus indicator
10		White Balance indicator
11		Battery status indicator
12	00:00:00	Remaining recording time indicator
13		Histogram indicator
14		Enter Playback mode touch icon
15		Zoom ratio bar indicator
16		Enter Menu touch icon
17		Assist LED light button (On, Off)
18		Resolution indicator
19		Burst mode

3.2 Photo Mode

The following table describes all the icons that are displayed when the Digital Camcorder is in Photo mode (📷).

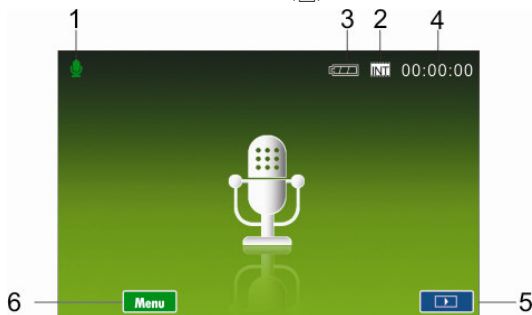










1		Photo mode indicator
2		Night mode indicator
3		EV Compensation indicator
4		Artistic Effect indicator
5		Metering mode
6		Memory Status indicator : SD card 1 indicator : SD card 2 indicator : Internal memory indicator (displayed when there is no SD card in camcorder)

7		Backlight indicator
8		Macro Focus indicator
9		White Balance indicator
10		Battery status indicator
11	0000	Shots remaining, indicates the remaining shots available.
12		Histogram indicator
13		Enter Playback mode touch icon
14		Zoom ratio bar indicator
15		Enter Menu touch icon
16		Flash mode selection (off, auto, fill-in)
17	5M	Resolution indicator
18		Burst mode
19		Self-timer indicator

3.3 Audio Mode

The following table describes all the icons that are shown when the Digital Camcorder is in Audio mode (🎤).



1		Audio mode
2		Memory Status indicator  : SD card 1 indicator  : SD card 2 indicator  : Internal memory indicator (displayed when there is no SD card in camcorder)
3		Battery status indicator
4	00:00:00	Remaining recording time indicator
5		Enter Playback mode touch icon
6		Enter Menu touch icon


4 Using the Camcorder

4.1 Video Recording

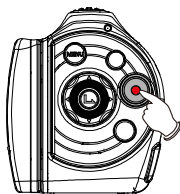
1. By default, this camcorder will power up to Video mode (📹). If the camcorder is not in Video mode, press the





until this mode is selected.

2. Press the  button to start or stop video recording.
3. The Digital Camcorder will store the movie clip automatically on the SD card when the recording stopped.

Video mode Indicator



4. The displayed LCD screen ratio varies depending on the setting of the movie clip resolution. Please refer to the table shown below:

Video Recorded Resolution	Preview
HD1080p (1440 x 1080) HD (1280 x 720) WVGA (848 x 480)	16:9 ratio 
QVGA (320 x 240)	4:3 ratio 

Note:

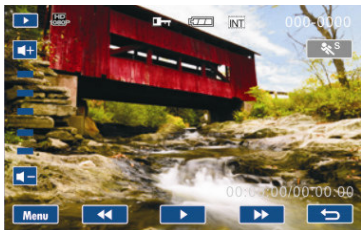
If 2 SD cards are inserted into the camcorder and if recording capacity fills the first SD card, use the configuration menu to select the 2nd SD card (if inserted) for additional storage.







Video Live View Frame Capturing

There is a convenient design for the user to press the Shutter button at Video mode to capture the Video Live View (unable for HD 1080p resolution) or Playback frame as photo.

In Video mode, you can directly press the Shutter button at anytime either at Live View or in recording or in video clip playback to capture the video frame to save as a Still image.



Video Recorded Resolution

 HD1080p	1440 x 1080
 HD	1280 x 720
 WVGA	848 x 480
 QVGA	320 x 240

Note:

The video clip size is fixed depending on the quality of the video clip.

1. When setting to HD1080p, HD or WVGA resolution, the LCD display aspect ratio is 16:9.
2. When setting to QVGA video resolution, the LCD display aspect ratio is 4:3.

4.2 Shooting / Playback Photos

4.2.1 Taking a Picture



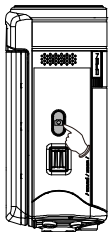
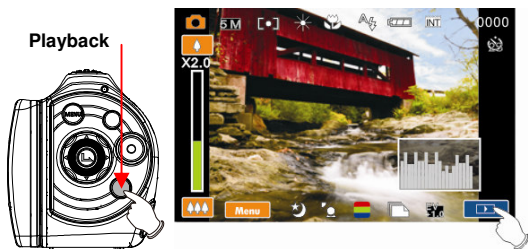
1. Power up the camcorder and press the  button to select Photo mode .
2. Press the Shutter button to capture a photo.

Photo Mode Indicator



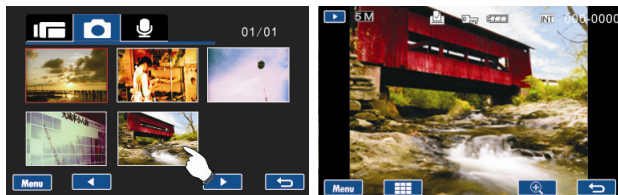
4.2.2 Photo Playback



1. In the Photo Mode, press Playback button or the Playback touch icon on screen to enter Photo Playback mode, the screen displays the thumbnail images in storage.

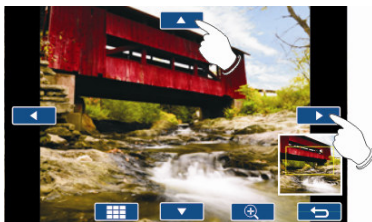


Enter Playback touch icon

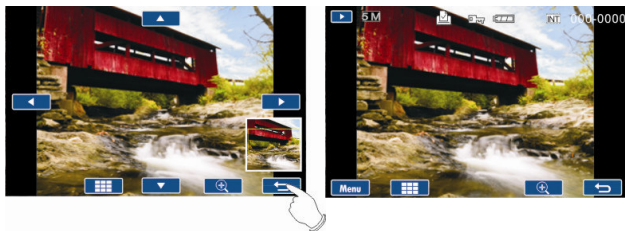
2. Use the 4-Way Direction Button to navigate the stored photos. Press the Set  Button or touch the thumbnail image selected for single view on LCD display.






3. Touch the magnification or minification icon ( or ) to magnify or minify the image. When the image is magnified, touch the up/down or left/right icons to move the image.

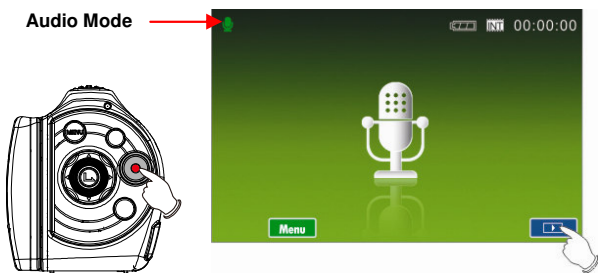


4. Press the Return icon () on screen or the Shutter button to return to whole picture view screen after the picture has been magnified.



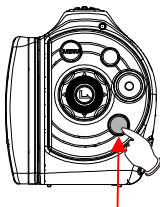
4.3 Audio Recording

1. Power up the camcorder and press the  until the Audio Mode  is selected.
2. Press the  button to start or stop audio recording.



4.4 Video / Audio Clip Playback

1. In the Video/Audio mode, press the Playback button or the Playback touch icon on screen to enter Video/Audio Playback mode, the screen displays stored Video/Audio files.



Playback

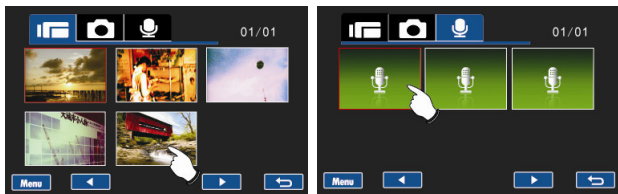


Enter Playback mode touch icon

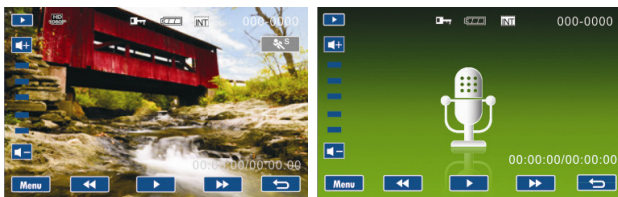


Enter Playback mode touch icon


2. Touch the Left or right arrows at the bottom of the LCD screen or use the 4-Way Direction buttons to browse the stored files



3. To play/pause the playback, press the Recording button or touch the screen icon (▶ / ⏸).



4. Press the Return icon (↶) to return previous screen, in Playback thumbnail view mode to press Playback button or Return icon on screen can return to Video/Audio mode.

5. Adjust the playback the playback speed of the Video by touching the screen icon ().



The available playback speed options (when Slow Motion is set to "OFF") are listed below:



Rewind	2X play	Forward
Rewind	4X play	Forward
Rewind	8X play	Forward
Rewind	16X play	Forward

The available playback speed options (when Slow Motion is set to "On") are listed below:










Rewind	1/2X play	Forward
Rewind	1/4X play	Forward
Rewind	1/8X play	Forward
Rewind	1/16X play	Forward









5 LCD Display Information

5.1 Video Playback Mode

Please refer to the following table regarding the description of each icon and symbol in video playback.












1		Playback mode icon
2	000-0000	Folder and file number
3		File Protect indicator
4		Memory Status indicator  : SD card 1 indicator  : SD card 2 indicator  : Internal memory indicator (displayed when there is no SD card in camcorder)
5		Battery status indicator
6	00:00:00/00:00:00	Playback progress length / file total length

7		Sound volume touch icons
8		Return touch icon
9		Fast forward Playback touch icon
10		Playback/Pause touch icon
11		Fast Rewind Playback touch icon
12		Enter Menu touch icon
13		Resolution indicator
14		Slow Motion Playback touch icon

5.2 Photo Playback Mode

Please refer to the following table for descriptions of the icons and symbols in photo playback.



1		Playback mode icon
2		DPOF (Digital Print Order Format) indicator
3		File Protect indicator
4		Memory Status indicator  : SD card 1 indicator  : SD card 2 indicator  : Internal memory indicator (displayed when there is no SD card in camcorder)
5		White Balance indicator
6		Battery status indicator
7	000-0000	Folder and file number











8		Return touch icon
9		Magnification indicator touch icon
10		Minification indicator touch icon
11		Enter Menu touch icon
12		Resolution indicator

5.3 Audio Playback Mode


Please refer to the following table regarding the description of each icon and symbol in audio playback.





1		Playback mode icon
2		File Protect indicator
3		Battery status indicator

4		Memory Status indicator  : SD card 1 indicator  : SD card 2 indicator  : Internal memory indicator (displayed when there is no SD card in camcorder)
5	000-0000	Folder and file number
6	00:00:00/00:00:00	Playback progress length / file total length
7		Return touch icon
8		Fast forward Playback touch icon
9		Playback/Pause touch icon
10		Fast Rewind Playback touch icon
11		Enter Menu touch icon
12		Sound (Volume adjustment) touch icon




6 Menu Options

Enter the menu options by pressing the  button or the Menu icon on screen in Live View mode. When the menu appears on the LCD display, use the 4-Way Direction button to navigate the menu items. (or to touch the up/down icons on the LCD panel to jump to the next page of the menu items)





Use the  button or touch the icon on the screen to select a menu item. Return to previous screen from options menu by pressing  button or the Return icon on screen.

6.1 Menu Options in Video Mode

6.1.1 Video Resolution

1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and press the 4-Way Direction Button to highlight Resolution. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select HD1080p, HD, WVGA or QVGA. Press the  button or touch the icon on the screen to select the item.






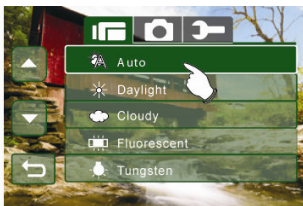
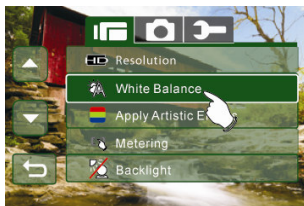
ICON	Option	Video Recorded Resolution
	HD1080p	1440 x 1080
	HD	1280 x 720
	WVGA	848 x 480
	QVGA	320 x 240






Notes:

1. When setting to HD1080p, HD or WVGA resolution, the LCD display aspect ratio is 16:9.
2. When setting to QVGA video resolution, the LCD display aspect ratio is 4:3.




6.1.2 White Balance

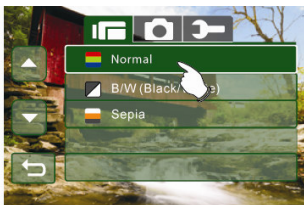
1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and move the 4-Way Direction Button to highlight White Balance. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select Auto, Daylight, Cloudy, Fluorescent or Tungsten. Press the  button or touch the icon on the screen to select the item.






	Auto	The Digital Camcorder automatically adjusts the white balance.
	Daylight	The setting is suitable for outdoor recording in daylight.
	Cloudy	The setting is suitable for recording in cloudy or shady environments.
	Fluorescent	The setting is suitable for indoor with fluorescent lamp lighting, or environments with high color temperature.
	Tungsten	The setting is suitable for indoor with incandescent lamp light, or environments with low color temperature.




6.1.3 Apply Artistic Effects

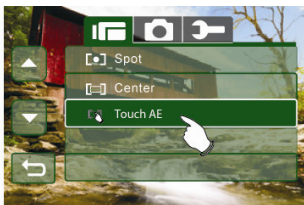
1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and press the 4-Way Direction Button to highlight Apply Artistic Effects. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select Normal, B/W or Sepia. Press the  button or touch the icon on the screen to select the item.






	Normal	Make recordings in nature color
	B&W	Make recordings in B&W (Black and White) color
	Sepia	Make recordings in Sepia-toned color




6.1.4 Metering

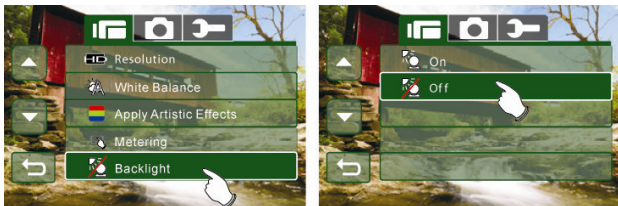
1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and move the 4-Way Direction Button to highlight Metering. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select Spot, Center or Touch AE. Press the  button or touch the icon on the screen to select the item.






	Spot	This setting is to ensure correct exposure for the object even if the background is very bright or very dark.
	Center	Use this setting to preserve background details while letting lighting conditions at the center of the frame define exposure.
	Touch AE	Touch the target object on screen for auto metering the exposure value.

6.1.5 Backlight

1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and move the 4-Way Direction Button to highlight Backlight. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select On or Off. Press the  button or touch the icon on the screen to select the item.



6.1.6 Night Mode




1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and press the 4-Way Direction Button to highlight Night Mode. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select On or Off. Press the  button or touch the icon on the screen to select the item.

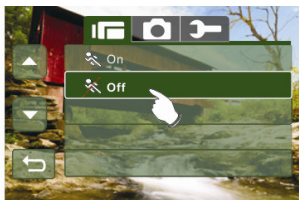


6.1.7 Motion Detection




When Motion Detection is turned on, the camcorder will detect the motion for Video recording without human intervention. When the AE variation is detected, the recording will start immediately.

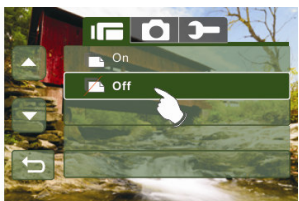


1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and move the 4-Way Direction Button to highlight Motion Detection. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select On or Off. Press the  button or touch the icon on the screen to select the item.






6.1.8 Burst

1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and press the 4-Way Direction Button to highlight Burst. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select On or Off. Press  button or touch the icon on the screen to select the item.




6.1.9 EV Compensation

You can adjust the value of the exposure compensation which is ranged from -2.0EV to +2.0EV (at 0.5EV increment). The higher the EV value, the brighter the image will be.



1. Turn on the Digital Camcorder and make sure it is in the Video mode.
2. Press the  button and move the 4-Way Direction Button to highlight the EV Compensation item. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to adjust the Exposure value (-2.0 ~ +2.0). Press the  button or touch the icon on the screen to select the item.

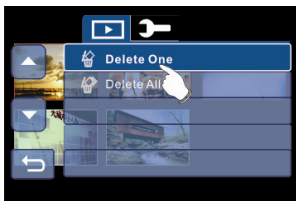
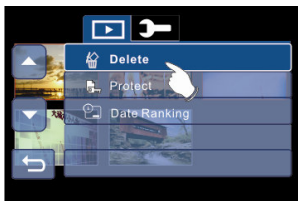



6.2 Menu Options in Video Playback Mode

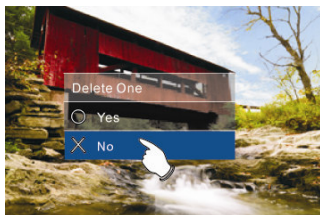
When in Video Playback thumbnail or single view mode, switch to the video file you would like to set, press the Menu touch icon on LCD display to show the Video Playback options menu; Or in Video Playback single view mode of the selected video file, press the  button to show the Video Playback options menu.



6.2.1 Delete

1. Enter Video Playback options menu, use the 4-Way Direction Button to highlight Delete.
2. Press the  button or touch the icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select Delete One or Delete All. Press the  button or touch the icon on the screen to select the item.



4. Press the 4-Way Direction Button to select “O” Yes or “X” NO. Press the  button or touch the icon on the screen to delete the item.





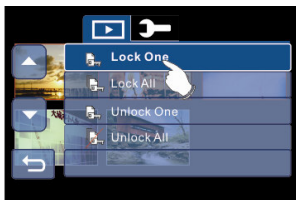
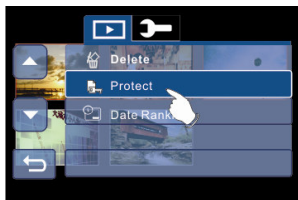
	Delete One	Delete the current file
	Delete All	Delete all files stored in the Digital Camcorder

Note:

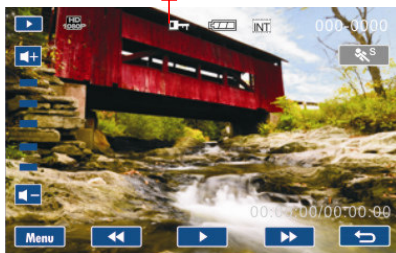
The file cannot be recovered once it is deleted. Therefore, please make sure you have backed up the file before deleting. Protected files cannot be deleted. Before deleting, you must unlock the file.

6.2.2 Protect


1. Enter Video Playback options menu, use the 4-Way Direction Button to highlight Protect option.
2. Press the  button or touch the icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select Lock One, Lock All, Unlock One or Unlock All. Press the  button or touch the icon on the screen to select the item.





Protect Lock

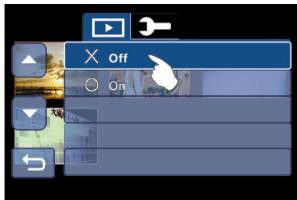
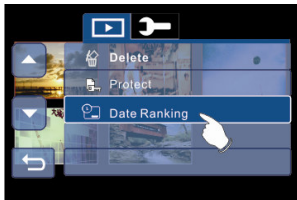


Note:


To unlock the file from Protect, repeat steps stated above. When files are not protected, the key icon  is not displayed.

6.2.3 Date Ranking




1. Enter Video Playback options menu, use the 4-Way Direction Button to highlight Date Ranking.
2. Press the  button or touch the on screen to display the submenu.
3. Use the 4-Way Direction Button to select "Off" or "On".
Press the  button or touch the icon on the screen to select the item.

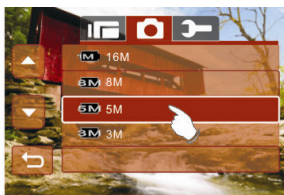
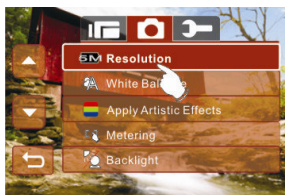






6.3 Menu Options in Photo Mode

When in Photo Mode, press the  button to display the camcorder mode option Menu.




6.3.1 Photo Resolution

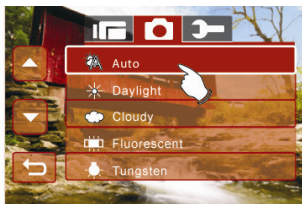
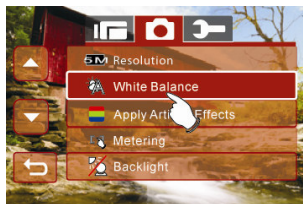
1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Resolution. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select 12M, 8M, 5M or 3M. Press the  button or touch the icon on the screen to select the item.








	4608 x 3456 pixels (Interpolation)
	3200 x 2400 pixels (Interpolation)
	2592 x 1944 pixels
	2048 x 1536 pixels

6.3.2 White Balance




1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight White Balance. Press the  button or touch the icon on the screen to display the submenu.
3. Use the 4-Way Direction Button to select Auto, Daylight, Cloudy, Fluorescent or Tungsten. Press the  button or touch the icon on the screen to select the item.

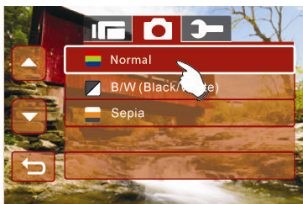
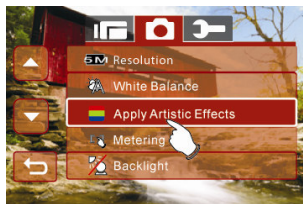





	Auto	The Digital Camcorder automatically adjusts white balance.
	Daylight	The setting is suitable for outdoor recording in daylight.
	Cloudy	The setting is suitable for recording in cloudy or shady environments.
	Fluorescent	The setting is suitable for indoor with fluorescent lamp lighting, or environments with high color temperature.
	Tungsten	The setting is suitable for indoor with incandescent lamp light, or environments with low color temperature.

6.3.3 Apply Artistic Effects




This Digital Camcorder can take standard color images, Black and White images, or Sepia color tone images.

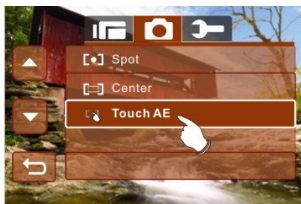
1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Apply Artistic Effects. Press the  button or touch the icon on the screen to display the submenu.
3. Use the 4-Way Direction Button to select Normal, B/W or Sepia. Press the  button or touch the icon on the screen to select the item.






	Normal	Make recordings in nature color
	B&W	Make recordings in B&W (Black and White) color
	Sepia	Make recordings in Sepia-toned color

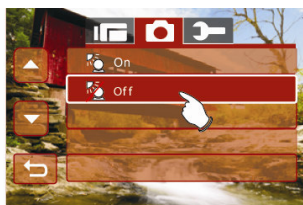
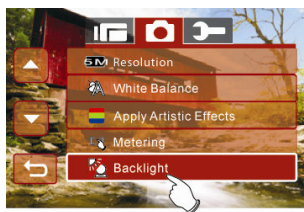
6.3.4 Metering

1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Metering. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select Spot, Center or Touch AE. Press the  button or touch the icon on the screen to select the item.






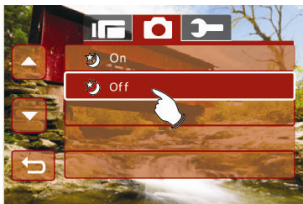
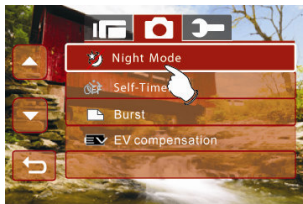
6.3.5 Backlight

1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Backlight. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select ON or OFF. Press the  button or touch the icon on the screen to select the item.






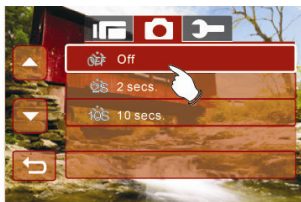
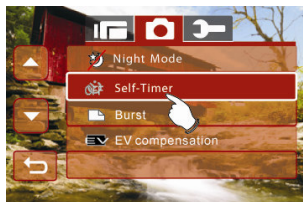
6.3.6 Night Mode

1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Night Mode. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select On or Off. Press the  button or touch the icon on the screen to select the item.



6.3.7 Self-Timer

1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Self-Timer. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select OFF, 2 secs. or 10 secs. Press the  button or touch the icon on the screen to confirm.



With 2 sec. Self-Timer:




The photo will be taken 2 seconds after the shutter is released.

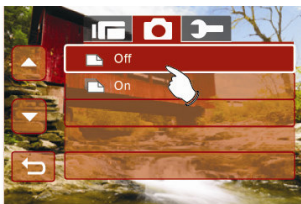
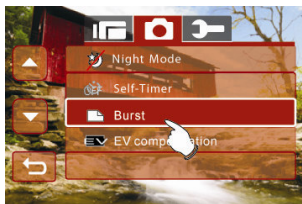
With 10 sec. Self-Timer:

The photo will be taken 10 seconds after the shutter is released.

6.3.8 Burst




You can continuously shoot three pictures with this function, started by released the Shutter Button pressed deeply and ended automatically after three pictures are taken.

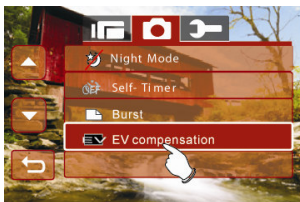
1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight Burst. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to select OFF or ON. Press the  button or touch the icon on the screen to select the item.




6.3.9 EV compensation

You can adjust the image exposure value by the Exposure Compensation function which is ranged from -2.0EV to +2.0EV (at 0.5EV increment). The higher the EV value, the brighter the image will be.


1. Turn on the Digital Camcorder and make sure it is in the Photo mode.
2. Press the  button and use the 4-Way Direction Button to highlight EV Compensation. Press the  button or touch the icon on the screen to display the submenu.
3. Press the 4-Way Direction Button to adjust the exposure value (-2.0 ~ +2.0). Press the  button or touch the icon on the screen to select the item.

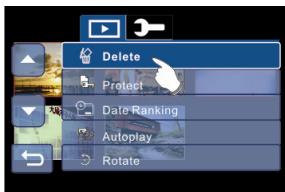


6.4 Menu Options in Photo Playback Mode

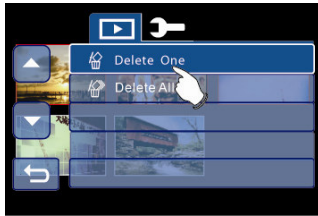
When the camcorder is in Photo Playback thumbnail or single view mode, switch to the Photo Playback image you would like to set, press the Menu touch icon on LCD display to show the Photo Playback options menu; Or in Photo Playback single view mode of the selected image, press the  button to show the Photo Playback options menu.


6.4.1 Delete

1. Enter Photo Playback options menu, use the 4-Way Direction button to highlight Delete.
2. Press the  button or the Delete icon on screen to display the submenu.



3. Press the 4-Way Direction Button or touch the screen to select "Delete One" or "Delete All" to display submenu.






4. Press the 4-Way Direction Button or touch the screen to select “O” YES or “X” No and press the  button to delete file(s).

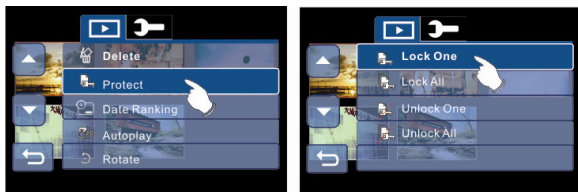


Note:

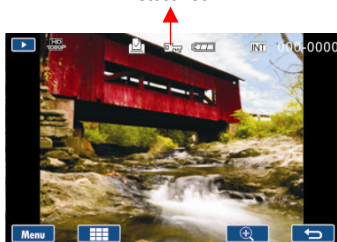
The files cannot be recovered once deleted. Therefore, please make sure you have a backup the file before deleting. Protected files will not be able to be deleted. Before deleting a protected file, you must unlock the file.

6.4.2 Protect


1. Enter Photo Playback options menu.
2. Use the 4-Way Direction Button to highlight Protect.
3. Press the  button or touch the Protect icon on screen to display the submenu.
4. Press the 4-Way Direction Button or touch the screen to select item. Press the  button or touch the screen to confirm. The key icon  will be displayed to indicate the file is Protected.





Protect Lock

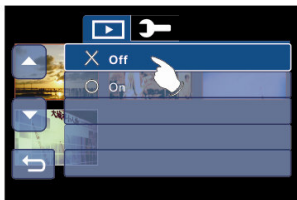
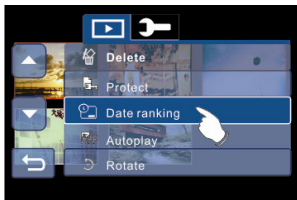


Note:

Repeat above steps to unlock the file. When the file is unlocked, the key icon  will disappear.


6.4.3 Date Ranking

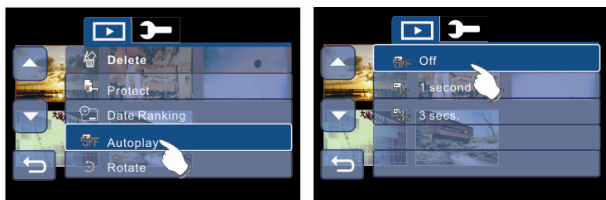
1. Enter Photo Playback options menu, use the 4-Way Direction Button to highlight Date Ranking option.
2. Press the  button or touch the on screen to display the submenu.
3. Use the 4-Way Direction Button to select "Off" or "On".
Press the  button or touch the icon on the screen to select the item.





6.4.4 Autoplay

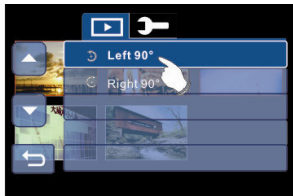
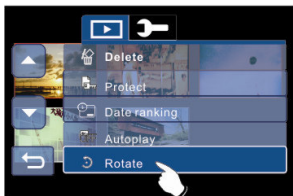
This Digital Camcorder includes a slide show function that can playback each picture at a regular interval.

1. Enter Photo Playback options menu, use the 4-Way Direction button to highlight Autoplay.
2. Press the  button or touch the Autoplay icon on screen to display the submenu.
3. Press the 4-Way Direction Button or touch the screen to select "Off", 1 second, or "3 secs.". The images will be displayed automatically.




6.4.5 Rotate

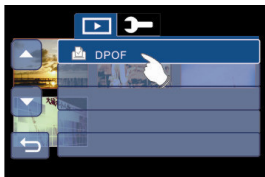
1. Enter Photo Playback options menu, use the 4-Way Direction button to highlight Rotate.
2. Press the  button or touch the Rotate icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select the Left 90 or Right 90, then press the  button or touch the options on screen to rotate image.





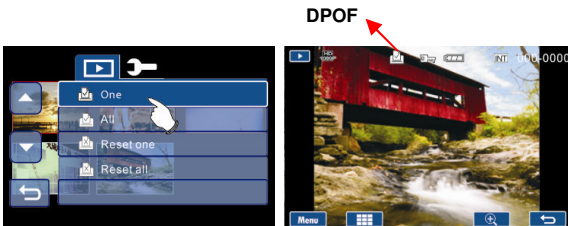
6.4.6 DPOF

Use the DPOF (Digital Print Order Format) function to indicate the printing information stored in the memory card.

1. Enter Photo Playback options menu, use the 4-Way Direction button to highlight DPOF.
2. Press the  button or touch DPOF icon on screen to display the submenu.




3. Use the 4-Way Direction Button and press the  button or touch the options on screen to select the item. The DPOF icon  will be shown to indicate the files that are ordered for printing.



Note:



1. A memory card is required for the DPOF function.
2. If DPOF is set, the selected pictures will be ordered to print.

6.5 Setup Menu

The Setup Menu can be used for the Digital Camcorder system settings. You can enter Setup menu by pressing  button or the Menu touch icon on screen at Photo or Video or Audio mode then switch to Setup menu options.

6.5.1 Information

This function can be used to display information, histogram or no information on LCD screen.


1. Enter Setup menu, use the 4-Way Direction Button to highlight Information.
2. Press the  button or touch the Information icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select Normal, Histogram, or OFF. Press the  button or touch the selected option icon on screen to set.




6.5.2 Date & Time

Please refer to 2.7 for the Setting of Date and time.

6.5.3 Sound

1. Enter Setup menu, use the 4-Way Direction Button to highlight Sound.
2. Press the  button selection Button or touch the Sound icon on screen to display the submenu.





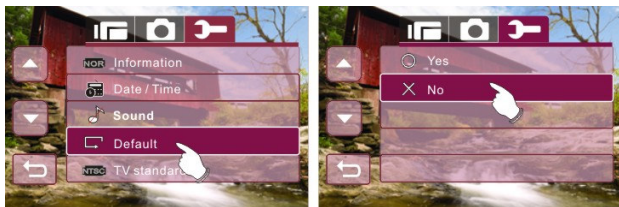
3. Use the 4-Way Direction Button to select Off, Low, Medium or High. Press the  button or touch the selected option icon on screen to set.



6.5.4 Default



Use this function to reset all settings to the default setting.

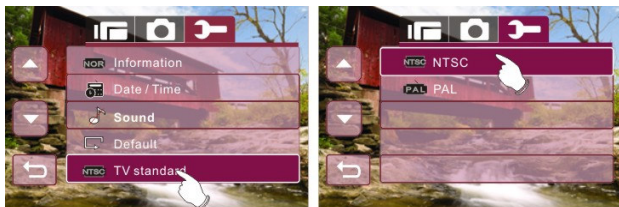
1. Enter Setup menu, use the 4-Way Direction Button to highlight Default.
2. Press the  button or touch the Default icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select "O" YES or "X" NO. Press  button or touch the selected option icon on screen to select the item.



6.5.5 TV standard

Use the TV standard to set the TV system for your area.

1. Enter Setup menu, use the 4-Way Direction Button to highlight TV standard.
2. Press the  button or touch the TV standard icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select NTSC or PAL.
Press the  button or touch the selected option icon on screen to set.





TV out standard setting reference

 NTSC	USA, Canada, Japan, Korea, Taiwan, Mexico
 PAL	Australia, Austria, Belgium, China, Denmark, Finland, Germany, UK, Italy, Kuwait, Malaysia, New Zealand, Singapore, Spain, Sweden, Switzerland, Thailand, Norway

6.5.6 Auto Power Off



This function can be used to turn off the Digital Camcorder automatically after a period of time.

1. Enter Setup menu, use the 4-Way Direction Button to highlight Auto Power Off.
2. Press the  button or touch the Auto Power Off icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select Off, 3 mins, or 5 mins. Press the  button or touch the selected option icon on screen to set.



6.5.7 Frequency

Use the Frequency option to set the frequency system for your area.


1. Enter Setup menu, use the 4-Way Direction Button to highlight Frequency.
2. Press the  button or touch the Frequency icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select 50 Hz or 60 Hz.
Press the  button or touch the selected option icon on screen to set.

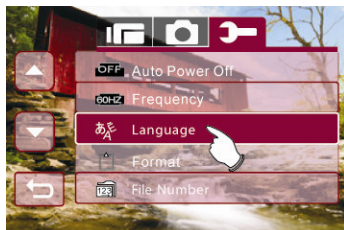



Frequency setting reference:

50HZ 50HZ	UK, Germany, Spain, Italy, France, Netherlands, Portugal, Russia, China, Japan
60HZ 60HZ	USA, Taiwan, Korea, Japan

6.5.8 Language

1. Enter Setup menu, use the 4-Way Direction Button up and down to highlight Language.
2. Press the  button to confirm or touch the screen to select.





3. Use the 4-Way Direction Button to select the following languages: English, German, French, Italian, Japanese, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Turkish, Russian, Thai, or Arabian. Press the  button or touch the selected language icon on screen to set.



6.5.9 Format

This function allows you to format the memory card or the built-in memory.

1. Enter Setup menu, use the 4-Way Direction Button to highlight the Format.
2. Press the  button or touch the Format icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select "O" Yes or "X" NO. Press the  button or touch the selected option icon on screen to set.



Warning:



All the data stored in the memory card or flash memory will be deleted after formatting.

6.5.10 File Numbering

This setting allows you to control the numbering of the files that are stored on the memory card.

If “Series” is selected, the file name will be numbered sequentially.



If “Reset” is selected, the next file name will start from 0001 even after formatting, deleting or inserting a new memory card.

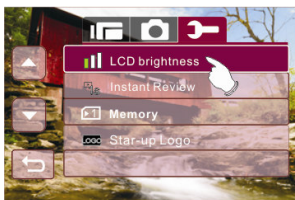
1. Enter Setup menu, use the 4-Way Direction Button to highlight File Number.
2. Press the  button or touch the File Number icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select Series or Reset.
Press the  button or touch the selected option on screen to set.



6.5.11 LCD Brightness



This function can be used to adjust the brightness of the screen.

1. Enter Setup menu, use the 4-Way Direction Button to highlight LCD brightness.
2. Press the  button or touch the LCD brightness icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select High, Medium, or Low. Press the  button n or touch the selected option icon on screen to set.



6.5.12 Instant Review



This function can be used to instantly browse the files after taking a picture.

1. Enter Setup menu, use the 4-Way Direction Button to highlight Instant Review.
2. Press the  button or touch the Instant Review icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select 1 second, 3 secs., or 5 secs.. Press the  button or touch the selected option icon on screen to set.



6.5.13 Memory

Use this function to select data storage location.

1. Enter Setup menu, use the 4-Way Direction Button to SET Mode.
2. Press 4-Way Direction Button to highlight Memory item. Press  button to display submenu; or Touch the screen to select the item.
3. Press 4-Way Direction Button to select Internal, SD1, or SD2. Press "  " button to confirm; or touch the screen to select the item.





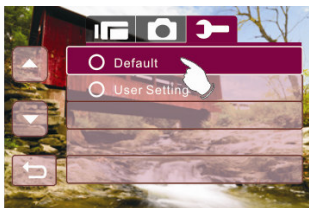
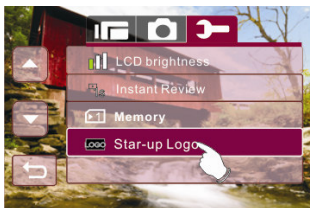
Note:

The photos or videos can be stored in a built-in flash memory or external SD cards. When the SD cards are inserted, the files will be stored in the external SD cards rather than the internal flash memory. On the other hand, the files will be stored in the built-in flash memory when SD card(s) is not inserted.

6.5.14 Start-up LOGO

Use this function to show the Star-up image on LCD when the digital camcorder is turned on.

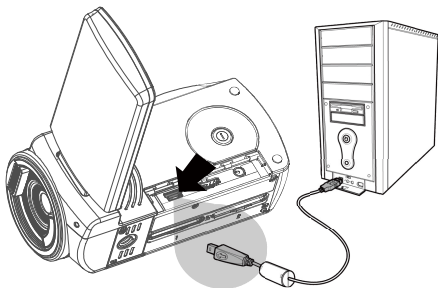
1. Enter Setup menu, use the 4-Way Direction Button to highlight the Star-up Logo.
2. Press the  button or touch the Star-up Logo icon on screen to display the submenu.
3. Use the 4-Way Direction Button to select Default or User Setting. Press the  button or touch the selected option icon on screen to set.



7 PC and TV Connection

7.1 Connecting to the Computer

As shown in the illustration, use the USB cable provided to connect the Digital Camcorder to a PC for file transfer.



Connect the HP V5061u Digital Camcorder PC/notebook by using the USB cable provided with the product. If a second SD card is inserted in SD slot 2) new drive letters should appear in Windows Explorer.

These new drive letters represent the V5061u's internal memory and memory card slot. (see illustration below):



HP_V5061U (E:)



V5061U_SD1 (H:)



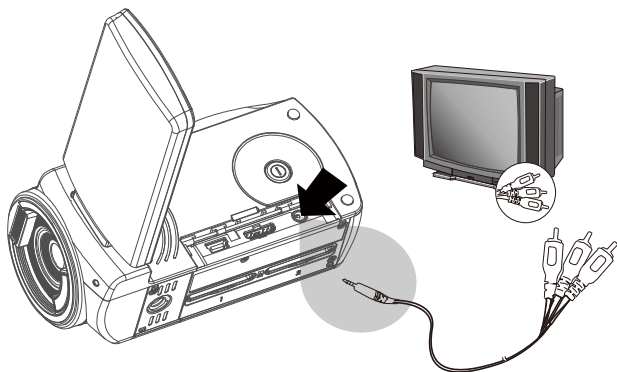
V5061U_SD 2(H:)

Note:

The above illustrated drive letters may vary depending on the system environment.

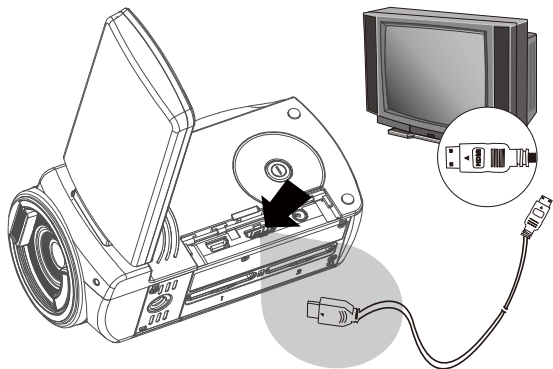
7.2 Connecting to a Standard TV

As shown in the illustration, use the video cable to connect the Digital Camcorder to a standard TV.



7.3 Connecting to a HD TV

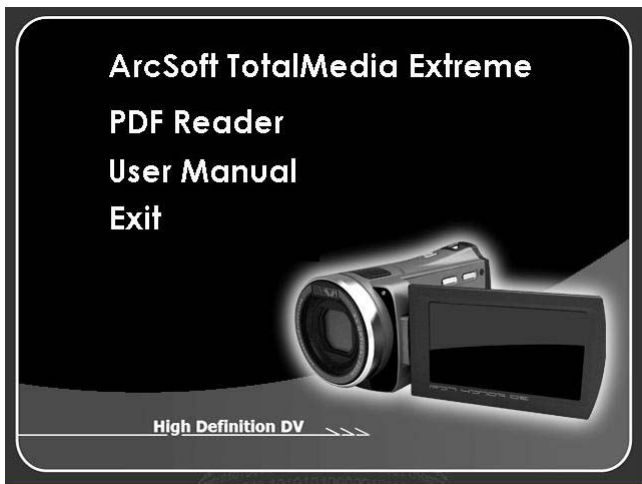
As shown in the illustration, use the HDMI cable provided to connect the Digital Camcorder to an HD TV for high resolution picture display.



8 Installing the Software

1. Place the CD ROM into the CD/DVD drive on your PC.
2. If the installation does not start, please open Windows Explorer and select the CD/DVD drive on your PC. Then double click on the **Install_CD.exe** to start the software installation.

The following screen will be displayed.



3. Click on the "Arcsoft TotalMedia Extreme" and follow the instructions on-screen.
4. The Serial number of Arcsoft Total Media Extreme is on CD package cover.

9 Editing Software



ArcSoft Total Media Extreme(TME)[™] provides a way to manage your media files for you, and provides the ability to create and share projects featuring your photo, video, and music files.

You can

- Create your own videos or photo slide shows complete with a soundtrack.
- Upload your files easily to You Tube[™]!
- Share your files through simple email attachments or popular photo printing applications.
- Go to <http://www.arcsoft.com/> for more information.

10 Appendix

Troubleshooting

Problem	Possible Cause	Solution
Can not turn on the Digital Camcorder.	<ol style="list-style-type: none">1. Battery is not inserted correctly.2. Battery exhausted.	<ol style="list-style-type: none">1. Please insert battery correctly.2. Replace the battery.3. Charge the battery.
Camcorder shuts down suddenly.	<ol style="list-style-type: none">1. Auto Power Off is enabled.2. Battery cloud.3. Battery exhausted.	<ol style="list-style-type: none">1. Please turn on the power again.2. Replace the battery.3. Charge the battery.
Pictures are not stored in the memory.	Camcorder was turned off before file was fully saved to memory.	<ol style="list-style-type: none">1. Do not power down the camcorder until the file has been saved.2. Ensure the battery is sufficiently charged.
Images are out of focus	Object exceeds the range of focus.	Please take the picture within the focusing range and select normal or Macro Mode.

Problem	Possible Cause	Solution
Unable to use the external memory card.	<ol style="list-style-type: none"> 1. Memory card is writing Protected. 2. Memory card contains images taken by other camcorders. 	<ol style="list-style-type: none"> 1. Unlock the memory card. 2. Reformat the memory card. Please make sure to backup the files before reformatting memory card.
Camcorder buttons do not function	Camcorder needs to be reset.	Take out battery into the camcorder and re-insert.

11 Getting Help

Should you have a technical support question or your HP Digital Camcorder requires service within the warranty period, please contact the original point of purchase or an authorized HP reseller in your country. If service is not available at those locations, please contact an HP Branded Product warranty agent from the support contact list provided below. A service agent will work with you to troubleshoot your issue and if necessary, issue a Return Material Authorization (RMA) number in order to replace your HP Branded Product. For warranty claims, you will be required to provide a copy of your original dated sales receipt as proof of purchase and the issued RMA number. You will be responsible for shipping charges when shipping the product to the service center. The service agent will provide you with an address and you will also be responsible for any shipping charges to the warranty service center. Once your product is received by this service center, a replacement unit will be shipped back to you, typically within 5 business days.

Contact/phone Support:	
Language	Contact/phone Support
Chinese	simp.chinese@hpodd.com
	trad.chinese@hpodd.com
Deutsch	deutsch@hpodd.com
Dutch	hollands@hpodd.com
English	english@hpodd.com
Espanol	espanol@hpodd.com
Français	francais@hpodd.com
Italiano	italiano@hpodd.com
Japanese	nippon@hpodd.com
Korean	korean@hpodd.com
Portuguese	portugues@hpodd.com
Svensk	svensk@hpodd.com

Contact/phone Support:		
Country	Language	Number
Europe Region (EMEA)		
België	Dutch and German	+ 32 2700 1724
Français	French	+ 33 171230454
Deutschland	German	+ 49 6950073896
Ireland	English	+ 353 1850882016
Italia	Italian	+ 39 269682189
Netherlands	Dutch	+ 31 202015093
Espana	Spanish	+ 34 914533458
Switzerland	German/French/Italian	+ 41 18009686
UK	English	+ 44 2073652400
North America		
United States	English	1.866.694.7633
Canada	English and French	1.866.694.7633
Latin America		
Country	Phone number	Hours of support
Argentina	54.11.6091.2399	M-F 2pm-11pm GMT-3
Brazil	55.11.5504.6633	M-F 9am-5pm GMT-3 Brasilia
Chile	56.2.581.4977	M-F 12pm-9pm GMT-5
Colombia	57.1.508.2325	M-F 12pm-9pm GMT-5
México (Mexico City)	52.55.1204.8185	M-F 11am-8pm GMT-6
México (Guadalajara)	52.33.1031.3872	M-F 11am-8pm GMT-6
México (Monterrey)	52.81.1107.2639	M-F 11am-8pm GMT-6

Perú	51.1.705.6232	M-F 12pm-9pm GMT-5
Venezuela	58.212.335.4574	M-F 1230pm-930pm GMT-5

Specification

Image Sensor Type	CMOS
Total Pixels	5.51 million (2752 (H) × 2004 (V))
Effective Pixels	5.03 million (2592 (H) × 1944 (V))
Movie Recorded Resolution	1440 x 1080 @30fps 1280 x 720 @30fps 848 x 480 @60fps 320 x 240 @30fps
Image Resolution	4608 x 3456 3200 x 2400 2592 x 1944 2048 x 1536
File Format	Video: H.264 Still Image: JPEG
Lens Specification	Fixed lens F/3.2, f=7.5mm
Digital Zoom	1-4X (720p: 4X, 1440 x 1080: 2x)
Focus Range	Normal: 1.2 cm ~ infinity Macro: 16 cm
LCD Monitor Size	3.0" TOUCH
LCD Monitor Resolution	960 x 240
Storage Media	SDHC (up to 16G)
Internal Memory	32MB
White Balance	Auto, Daylight, Cloudy, Fluorescent, Tungsten
Scene Mode	Night shot (Video only)
Battery Type	CNP-40 (1200 mA-H) or Photo Lithium AA Battery x 2
Approx. Dimensions	110 (L) x 58 (H) x 50 (W) mm
Approx. Weight	260g (without battery)
Interface	Mini USB Mini C HDMI AV out
Supplied Software	ArcSoft TotalMedia Extreme

